2003
Tracy Depue, MS ATS
Ground truth and modeling verification of the hail quadrature parameter

Konrad Gojara, MS ECE
Radar calibration for distributed targets

Direk Khajonrath, MS ECE
Dual-polarization radar calibration

Sarah Tessendorf, MS ATS
Kinematic and microphysical evolution of the 29 June supercell observed during STEPS

2004
Regina M. Allen, MS University of Oklahoma School of Meteorology
Lightning rates relative to WSR-88D radar parameters from STEPS storms

Y.G. Cho, PhD ECE
A high bandwidth radar operation over the Internet: signal analysis, network protocols and experimental validation

Sutanay Chowdhury, MS ECE
Wideband reception and processing for polarimetric radars

Brenda Dolan, MS ATS
An integrated display and analysis tool for multi-variable radar data

David Long, MS ATS
Evaluating the use of polarimetric cloud radars for studying winter storms

Stephanie A. Weiss, MS University of Oklahoma School of Meteorology
Lightning, electric field, and radar observations of the STEPS 29 June 2000 storm

2005
Chris Rose, PhD ECE
Systems engineering evaluation of GPM dual-frequency retrieval algorithms

Kyle Wiens, PhD ATS
Kinematic, microphysical and electrical structure and evolution of thunderstorms during the severe thunderstorm electrification and precipitation study (STEPS)

2006
Nitin Bharadwaj, MS ECE
Range-velocity ambiguity mitigation for dual polarized weather radars

Wiebke Deierling, PhD University of Alabama, Huntsville, Dept. of Atmospheric Science
The relationship between total lightning and ice fluxes : a dissertation

Eric Hefner, MS ECE
Range oversampling and whitening of radar signals from volume scattering

Sang-Hun Lim, PhD ECE
Reflectivity retrieval in a networked radar environment

Sarah Tessendorf, PhD ATS
Relationships between kinematics, microphysics, and lightning in high plains storms observed during the severe thunderstorm electrification and precipitation study (STEPS)

2007
Tarun Banka, PhD ECE
Application-aware transport services for sensor-actuator networks (Jayasumana and Chandra co-advisors)

Kyoko Ikeda, MS ATS
Observations of winter storms with a video disdrometer and polarimetric radar

Gang Xu, PhD ECE
Dynamic model for space-time weather radar observation and nowcasting

2008
Jim George, MS ECE
Transformation of CSU-CHILL into a virtual radar system

Kristin George, MS ATS
Polarimetric –based rainfall rates using S-band and X-band radars in the GPM-GV pilot project

Delbert Willie, MS ECE
Attenuation statistics for X-band radar network design

2010
Nitin Bharadwaj, PhD ECE
Networked radar system: waveforms, signal processing and retrievals for volume targets

Evan Ruzanski, PhD ECE
Nowcasting for a high-resolution weather radar network

2011
Jason Fritz, PhD ECE
Precipitation observations from high frequency spaceborne polarimetric synthetic aperture radar and ground-based radar: theory and model validation

Matthew Martinez, MS ECE
Description and evaluation of the CASA dual-Doppler system

2012

Cuong Nguyen, PhD ECE
Electronic scan weather radar: scan strategy and signal processing for volume targets

Elizabeth Thompson, MS ATS
Microphysics and kinematics of winter storms observed by the CASA IP1 X-band dual-polarized radar network, including winter hydrometeor identification algorithm development